

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-021295**Date Inspected:** 11-Jan-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Qiu Wen**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Segment Assembly**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Ramesh Gade, was present during the times noted above for observations relative to the work being performed.

**OBG Segment 13AW / Bay 14**

This QA Inspector observed the following work in progress:

Flux Core Arc Welding (FCAW) in the 3G position of weld # SEG3013P-377. The welder is identified as 045221. ZPMC Quality Control (QC) is identified as Zhang Lin. The welding variables recorded by QC appeared to comply with WPS-B-T-2233-ESAB.

**OBG Segment 14W / Bay 14**

This QA Inspector observed the following work in progress:

Shielded Metal Arc Welding (SMAW) in the 2G position of repair weld # SEG3020K-021. The welder is identified as 201215, as per B-WR19831. ZPMC Quality Control (QC) is identified as Zhang Lin. The welding variables recorded by QC appeared to comply with WPS-345-SMAW-2G(2F)-FCM-Repair-1.

**OBG Segment 14W / Bay 14**

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## WELDING INSPECTION REPORT

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This QA Inspector observed the following work in progress:

Shielded Metal Arc Welding (SMAW) in the 2G position of repair weld # SEG3020K-009. The welder is identified as 066734, as per B-WR19830. ZPMC Quality Control (QC) is identified as Zhang Lin. The welding variables recorded by QC appeared to comply with WPS-345-SMAW-2G(2F)-FCM-Repair-1.

OBG Segment 13AW / Bay 14

This QA Inspector observed the following work in progress:

Flux Core Arc Welding (FCAW) in the 3G position of weld # SEG3013AU-047. The welder is identified as 067103. ZPMC Quality Control (QC) is identified as Zhang Lin. The welding variables recorded by QC appeared to comply with WPS-B-T-2233-ESAB.

OBG Segment 13AW / Bay 14

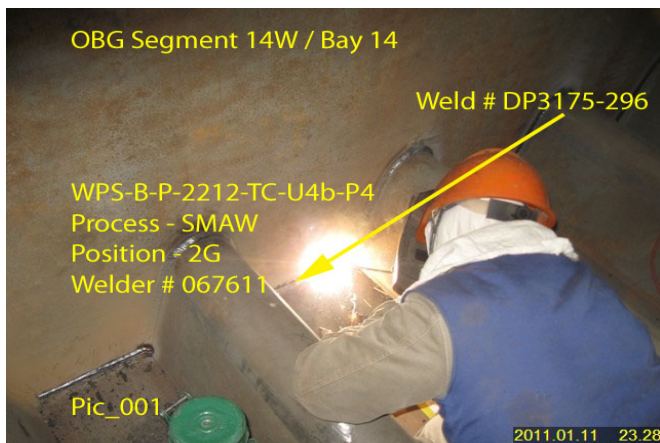
This QA Inspector observed the following work in progress:

Flux Core Arc Welding (FCAW) in the 3G position of weld # SEG3013AU-102. The welder is identified as 066421. ZPMC Quality Control (QC) is identified as Zhang Lin. The welding variables recorded by QC appeared to comply with WPS-B-T-2233-ESAB.

OBG Segment 14W / Bay 14

This QA Inspector observed the following work in progress:

Shielded Metal Arc Welding (SMAW) in the 2G position of Deck panel diaphragm weld # DP3175-296. The welder is identified as 067611. ZPMC Quality Control (QC) is identified as Zhang Lin. The welding variables recorded by QC appeared to comply with WPS-B-P-2212-TC-U4b-P4. See attached photograph Pic\_001.



### Summary of Conversations:

No relevant conversations reported on this date.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang (+86)15000 42 2372, who represents the Office of Structural Materials for your project.

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## WELDING INSPECTION REPORT

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| <b>Inspected By:</b> | Gade,Ramesh | Quality Assurance Inspector |
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| <b>Reviewed By:</b> | McClendon,Timothy | QA Reviewer |
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